



FEMA



Prepared by:
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Tuesday, June 12, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Tuesday

- **A few strong to severe storms and isolated heavy rain/flash flooding possible across central and northern OK & AR into the TX Panhandle & NE NM.**

Wednesday - Thursday

- **No significant weather expected.**

Friday - Saturday

- **Areas of heavy rain/flash flooding possible for NM into Far West TX.**

Tropical Outlook

- **An area of disturbed weather in the western Caribbean Sea may develop into a tropical cyclone as it moves into the southwestern Gulf by the end of the week.**
 - **Formation chance through 48 hours...low...10 percent.**
 - **Formation chance through 5 days...low...20 percent.**
- **Category 4 Hurricane Bud in the Eastern Pacific is expected to weaken soon and is forecast to become a Tropical Depression by this weekend.**

FEMA Region 6 Threat Matrix

June 12 2018 – June 16, 2018



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DAY / THREAT	TUE	WED	THU	FRI	SAT
Severe Storms	NW OK, TX/OK Panhandles, NE NM				
	Central & Northern OK/AR TX Panhandle, NE NM				
Heavy Rain / Flash Flooding	TX/OK Panhandles			NM into Far West TX	NM into Far West TX
Fire Weather					
Tropical Weather					
River Flooding					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

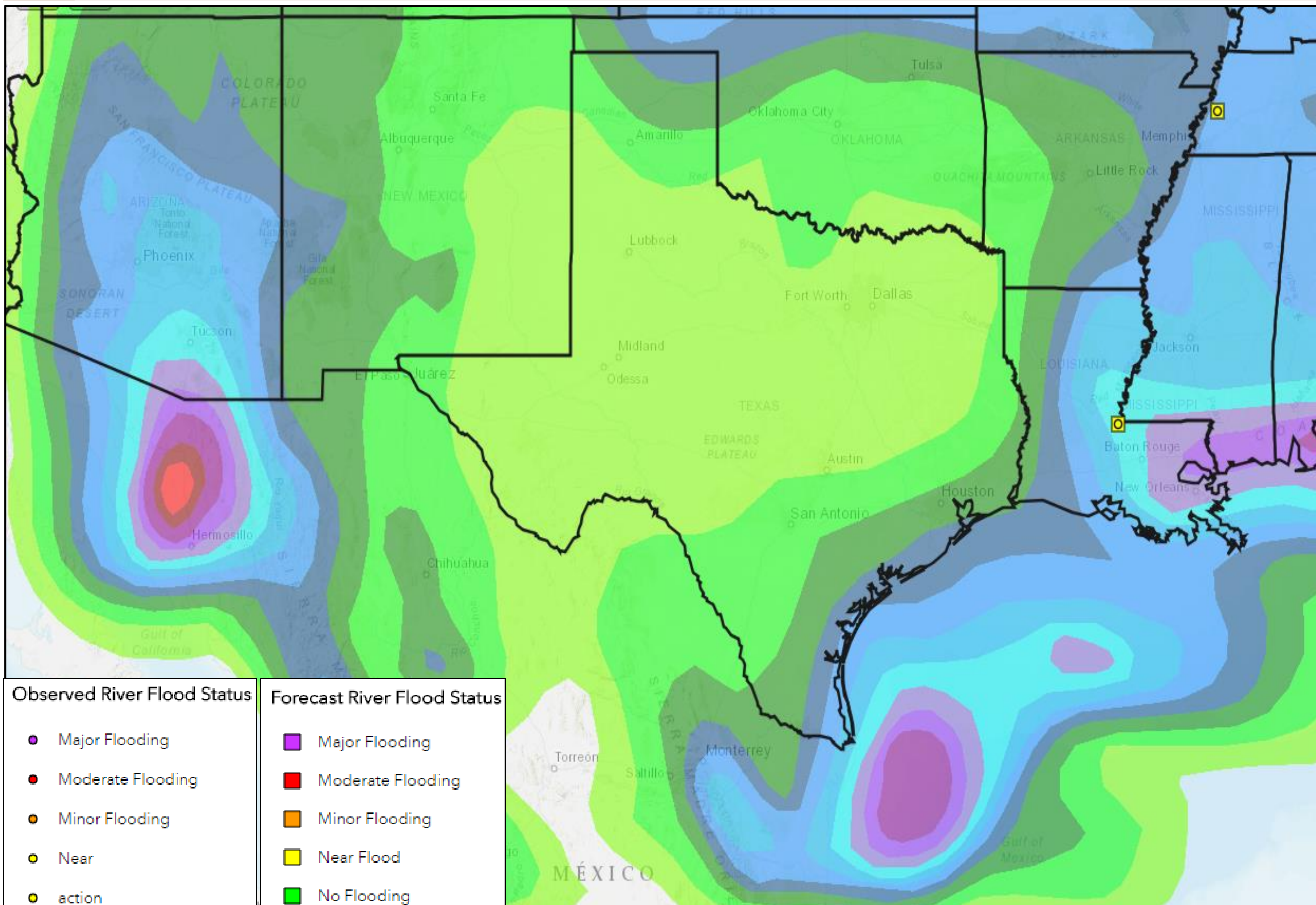
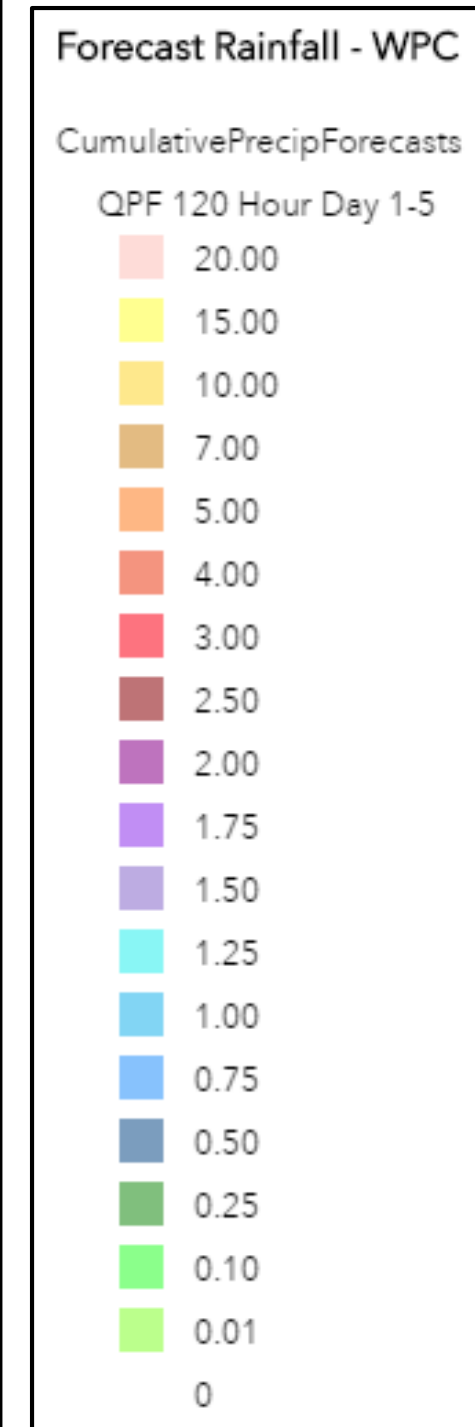
5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall

No river flooding is observed or forecast.



Observed River Flood Status

Forecast River Flood Status

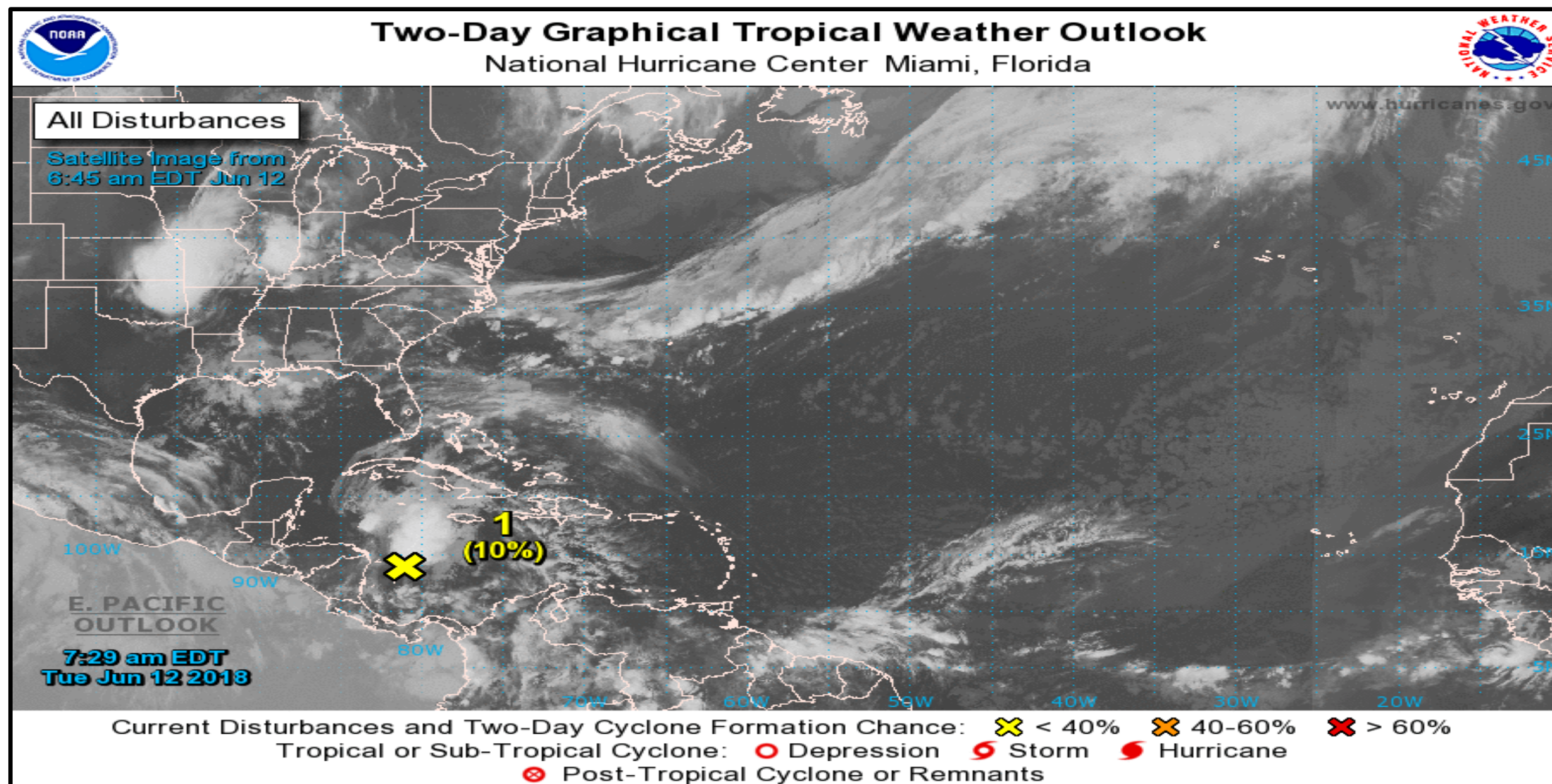
- Major Flooding
- Moderate Flooding
- Minor Flooding
- Near
- action

- Major Flooding
- Moderate Flooding
- Minor Flooding
- Near Flood
- No Flooding

Tropical Weather Outlook – Atlantic/Gulf



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A large area of disorganized showers and thunderstorms over the western Caribbean Sea is associated with a trough of low pressure. This area of disturbed weather is expected to move westward to northwestward over Central America and the Yucatan Peninsula during the next couple of days and little development is expected during that time due to unfavorable upper-level winds. Environmental conditions could become slightly more conducive for some development when the system moves into the southwestern Gulf of Mexico by the end of the week.

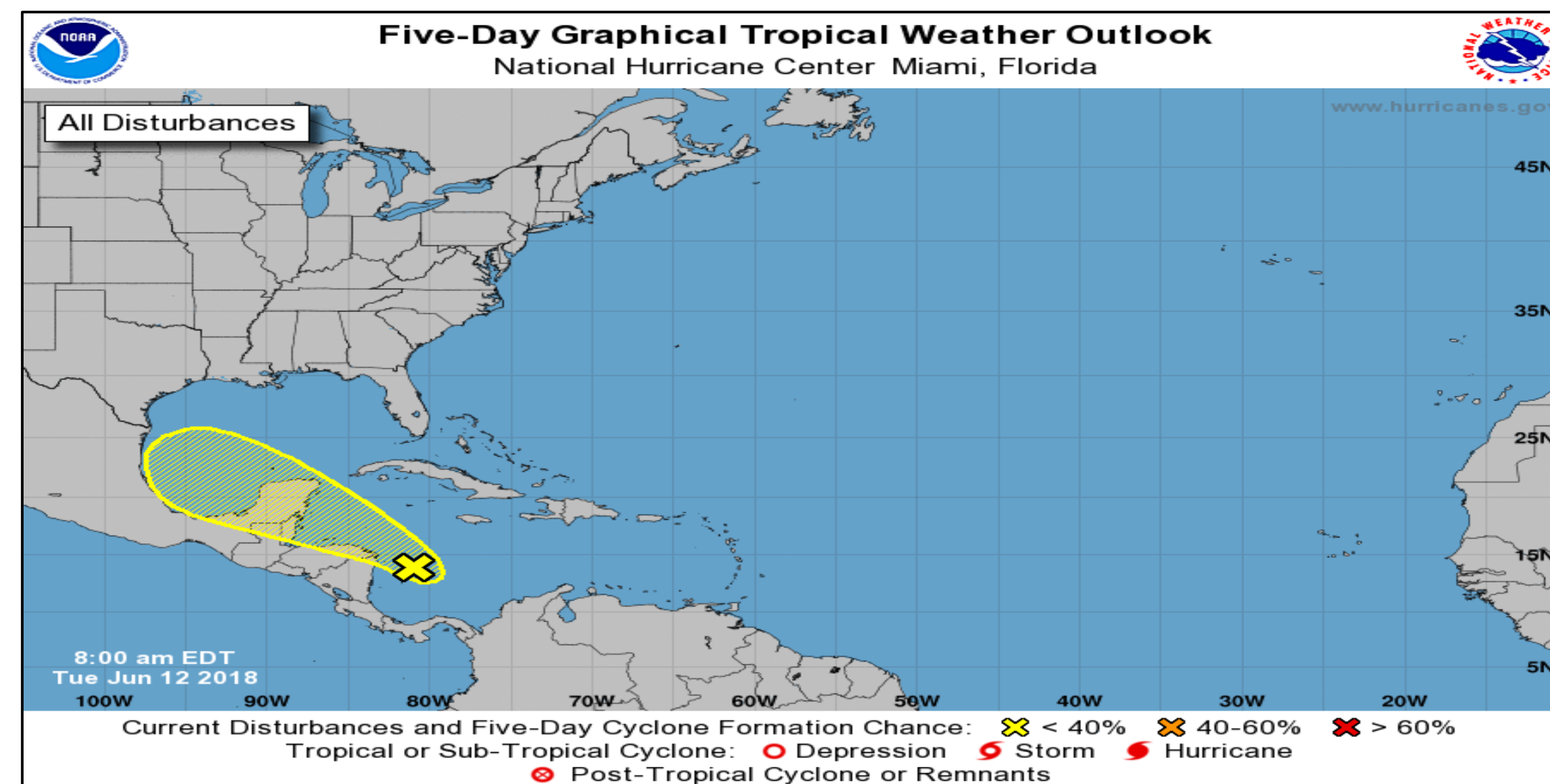
- Formation chance through 48 hours...low...10 percent.
- Formation chance through 5 days...low...20 percent.

What We Know:

- Rain chances will greatly increase late this weekend into early next week for portions of TX and LA as tropical moisture moves into the region.
- Rainfall will help to ease some of the drought conditions the region has been experiencing. Too much rain in a short time period could lead to localized flooding issues.
- Marine conditions may become degraded this weekend with building seas, stronger rip currents, and higher than normal tide levels, if swells from the tropical wave reach the TX/LA coasts.

What We Don't Know:

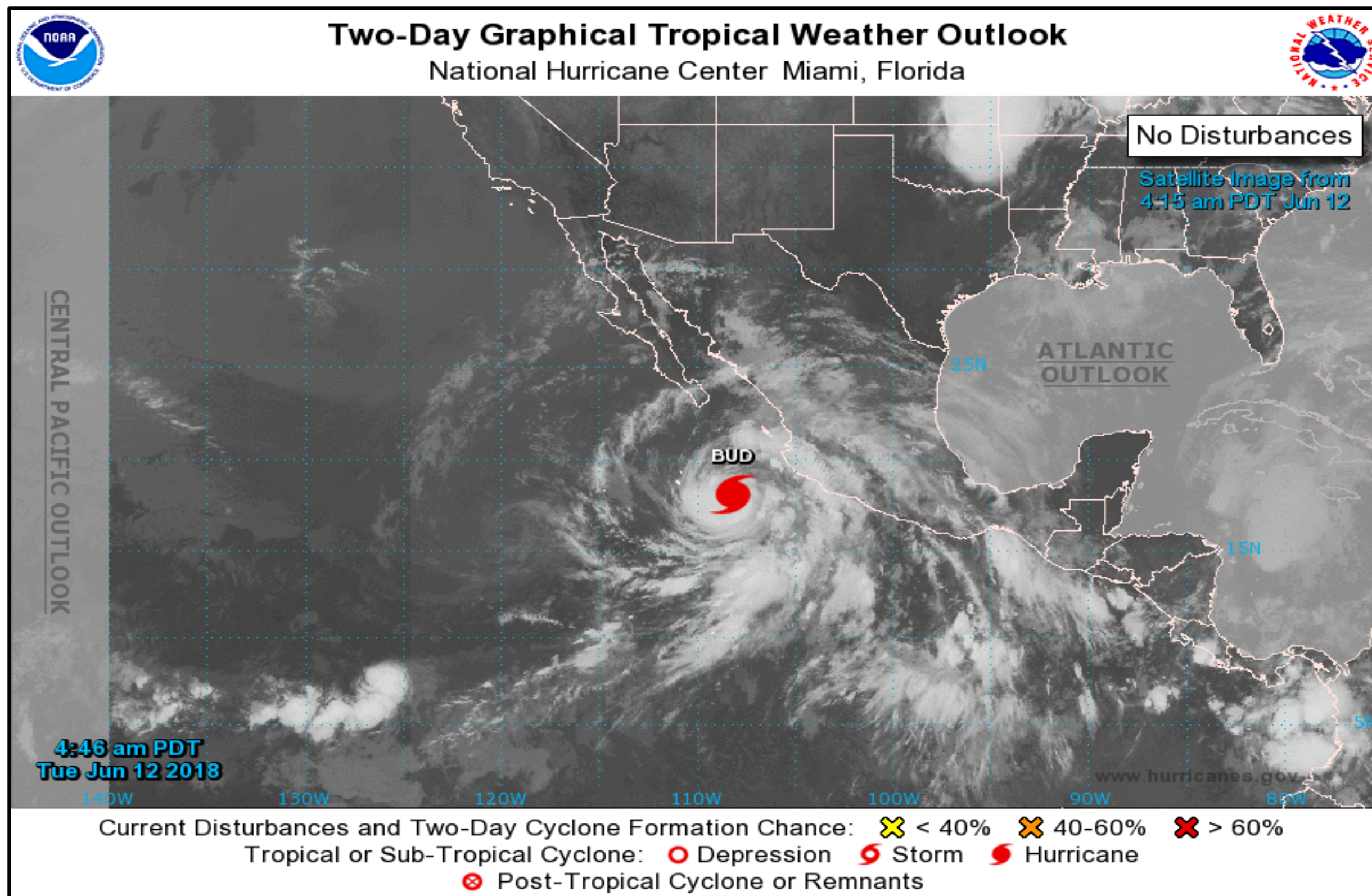
- If tropical cyclone development will occur.
- Exactly how much rain will fall and the placement of the highest amounts.
- How high the seas will build or if TX or LA will have any coastal flood impacts.



Tropical Weather Outlook – Eastern Pacific



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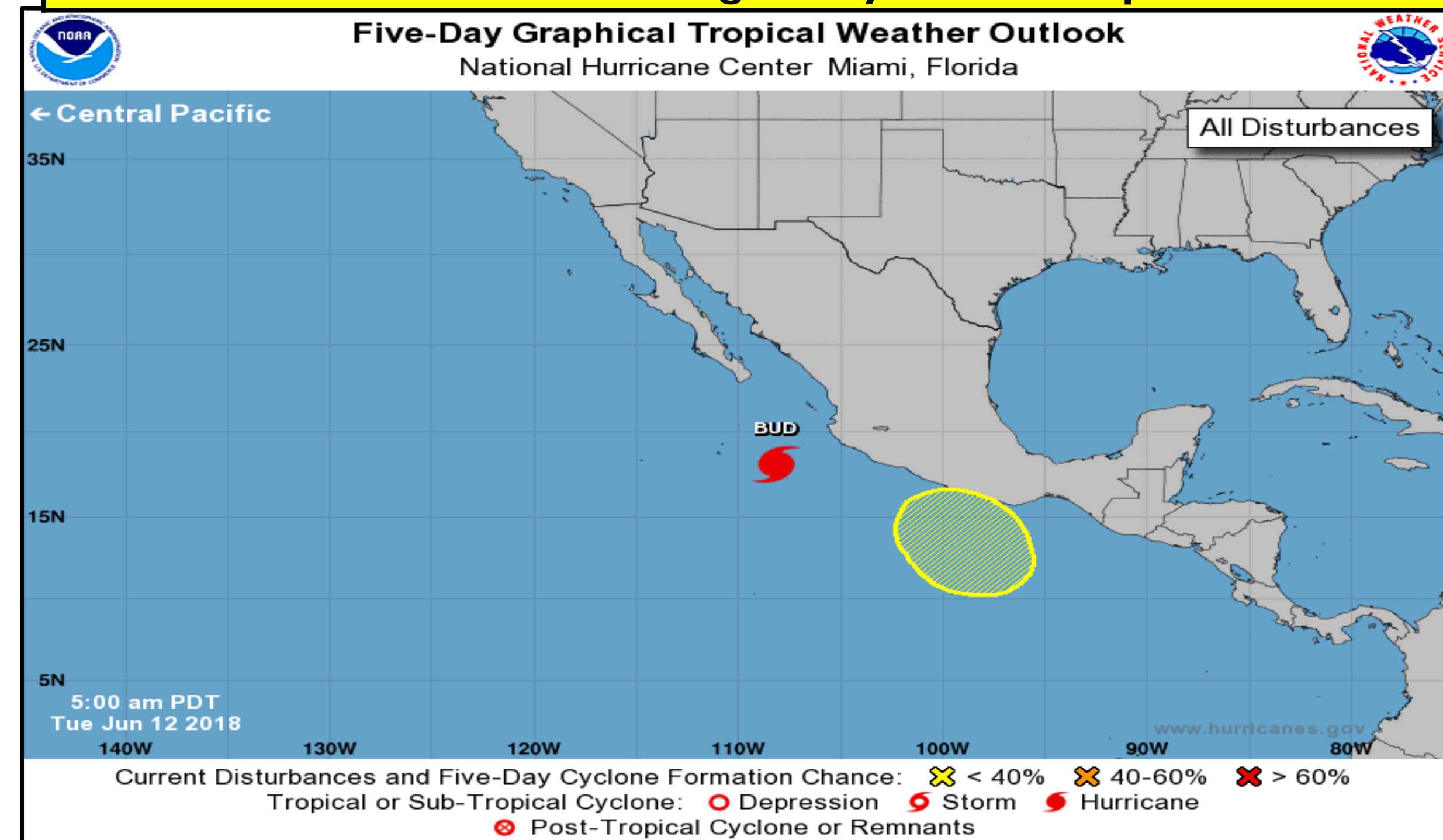


See next slide for Hurricane Bud forecast track & potential impacts to FEMA Region 6.

The National Hurricane Center is issuing advisories on Hurricane Bud, located a few hundred miles south-southeast of the southern tip of the Baja California peninsula.

A broad area of low pressure is forecast to form a couple of hundred miles south of southeastern Mexico in a couple of days. Environmental conditions could become marginally conducive for development late this week as the system drifts northward.

- Formation chance through 48 hours...low...10 percent.**
- Formation chance through 5 days...low...20 percent.**



Tropical Weather Outlook – Eastern Pacific (cont.)



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- Hurricane Bud is currently a Category 4 Hurricane but is expected to begin weakening soon and is forecast to become a Tropical Depression by this weekend.
- Moisture from Bud or its remnants will increase chances for showers and thunderstorms for NM and possibly into Far West TX beginning Friday and persisting through the weekend.
- Rainfall will help to ease some of the drought conditions the region has been experiencing. Too much rain in a short time period could lead to localized flooding issues.
- Recent burn scars will be especially susceptible to flash floods and debris flows.

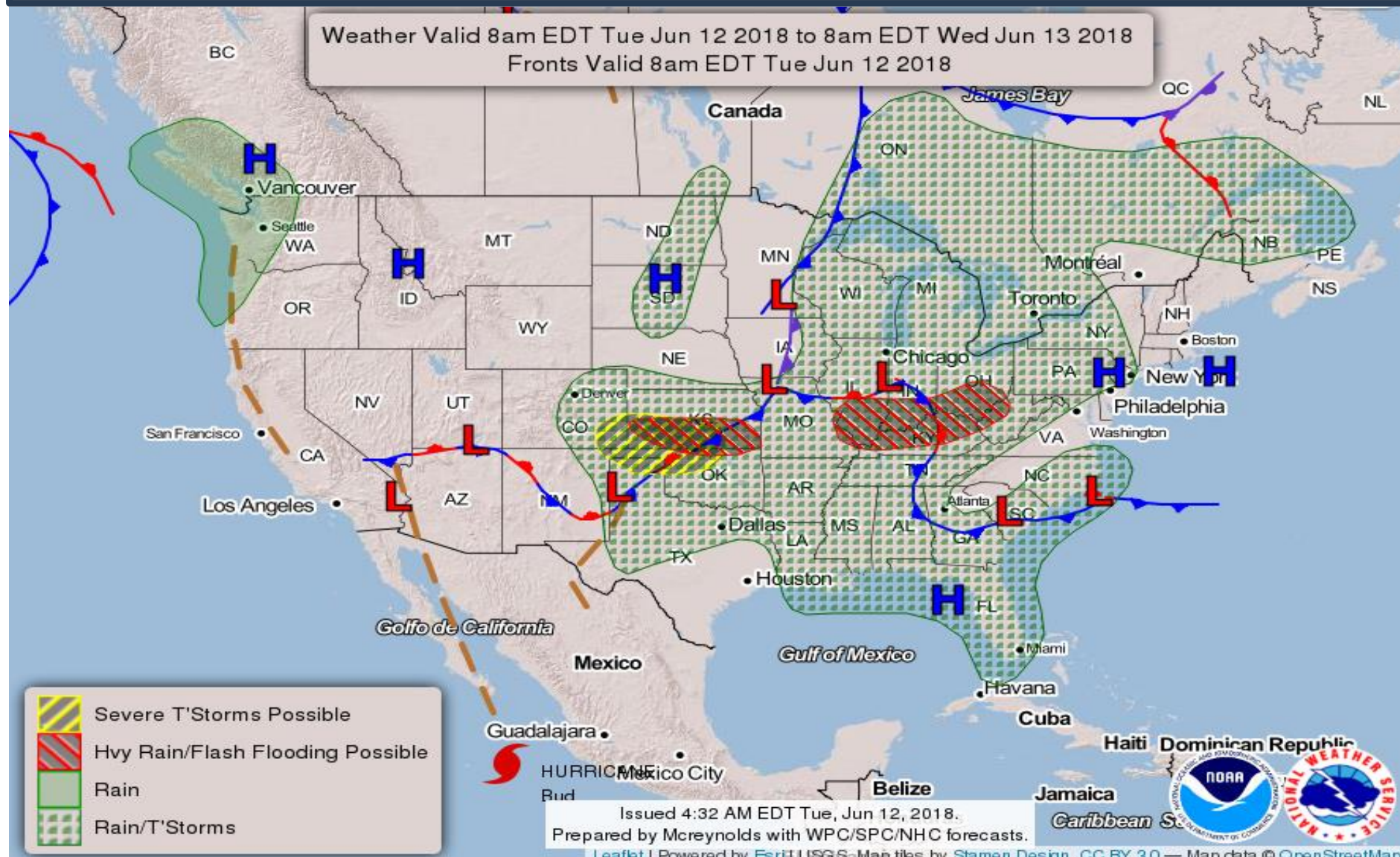


Today's Weather

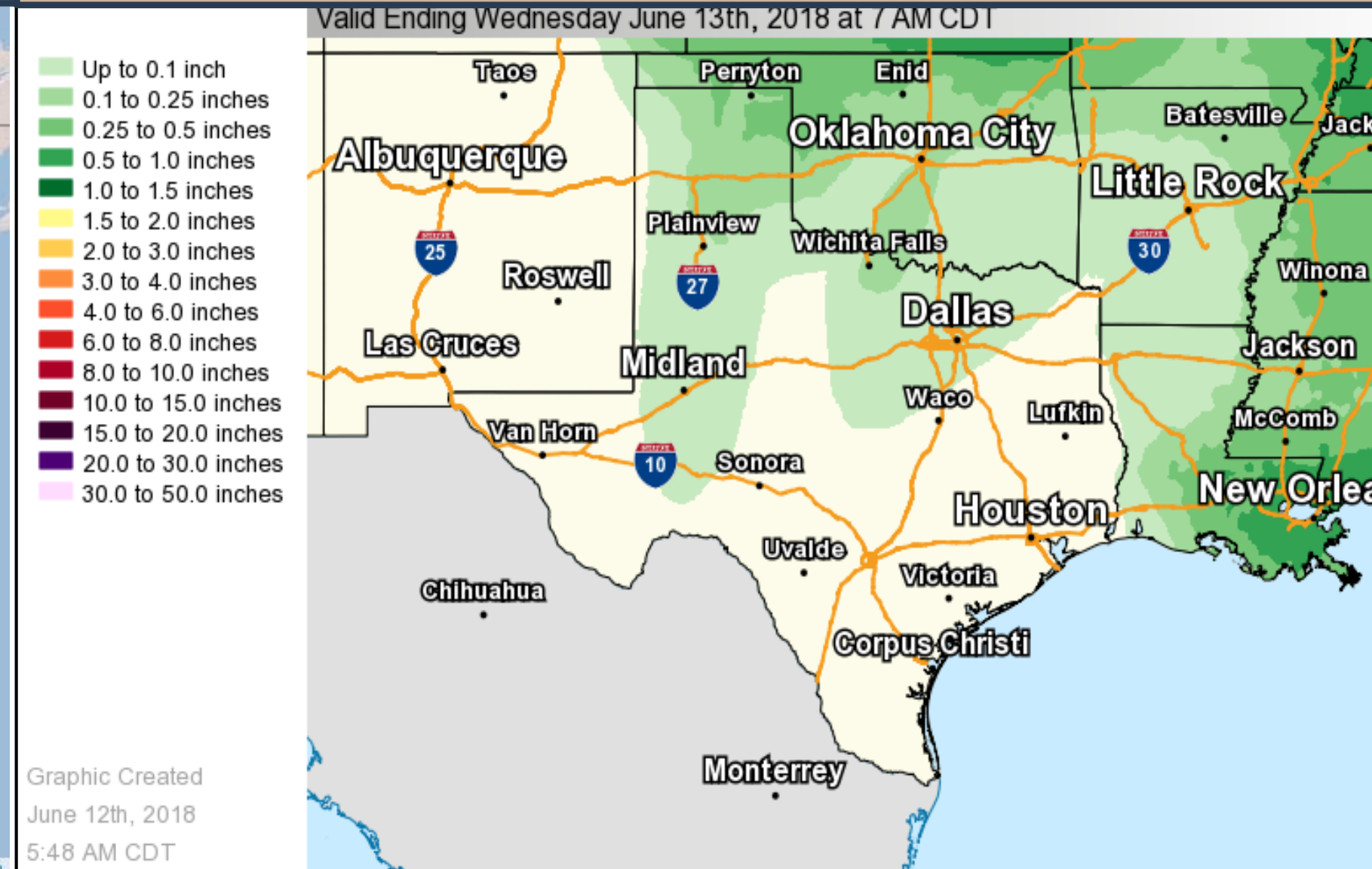


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Forecast Chart



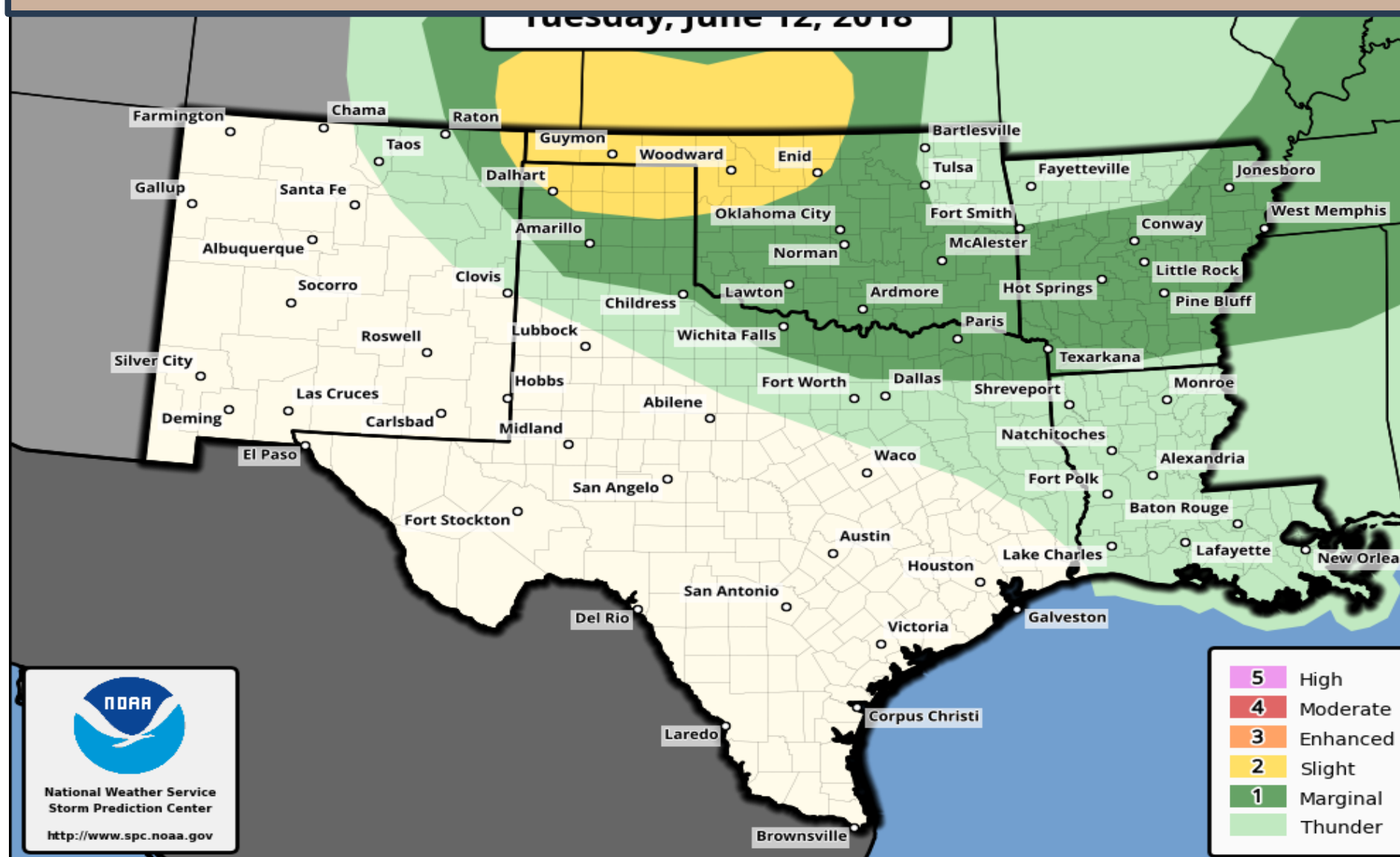
Forecast Rainfall



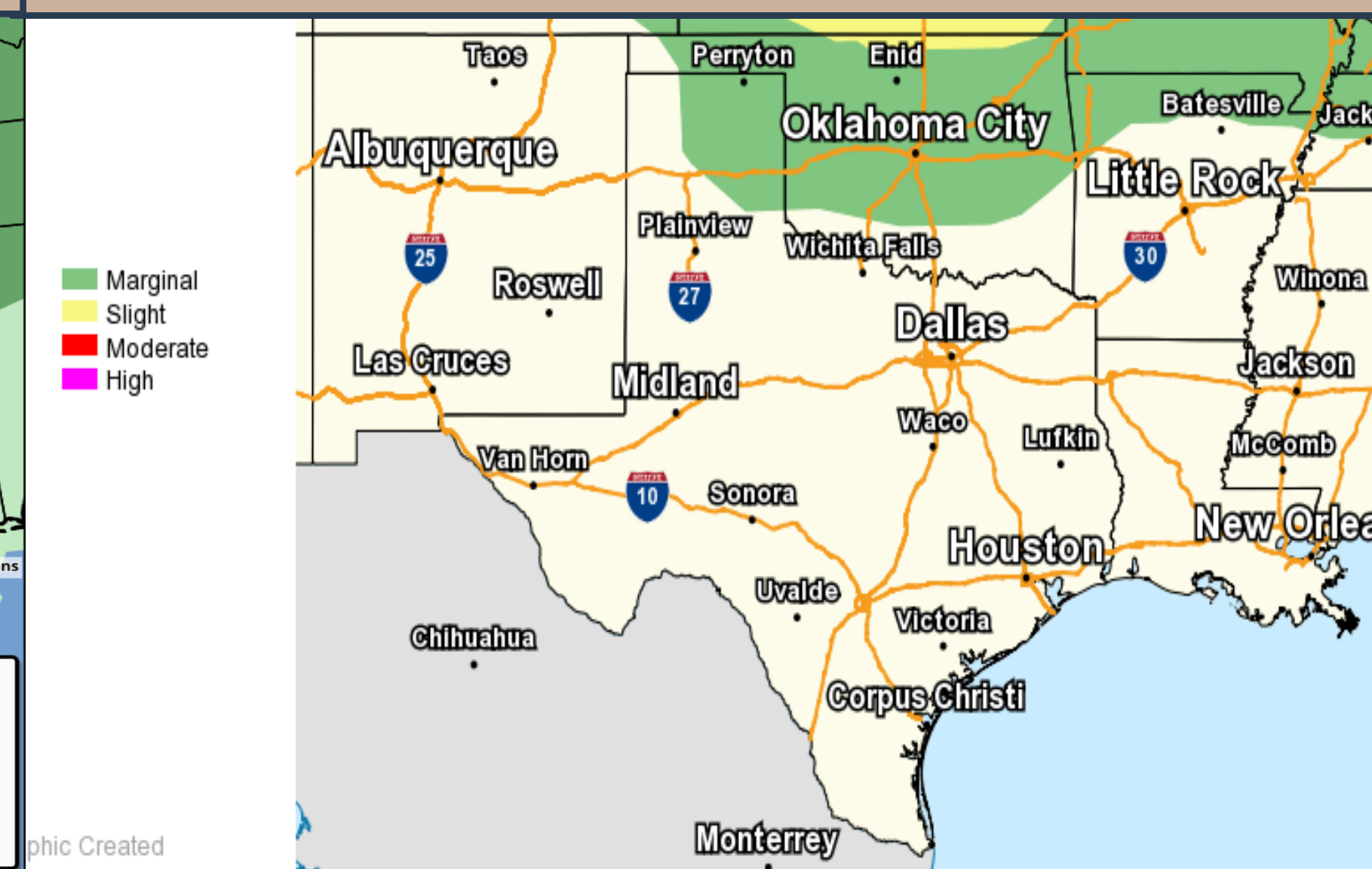
A few severe storms and isolated heavy rain/flash flooding possible across NW OK into the TX/OK Panhandles and NE NM. Damaging wind/hail will be the main threats.

A few strong to severe storms possible across central and northern OK & AR into the TX Panhandle and NE NM.

Severe Weather Outlook



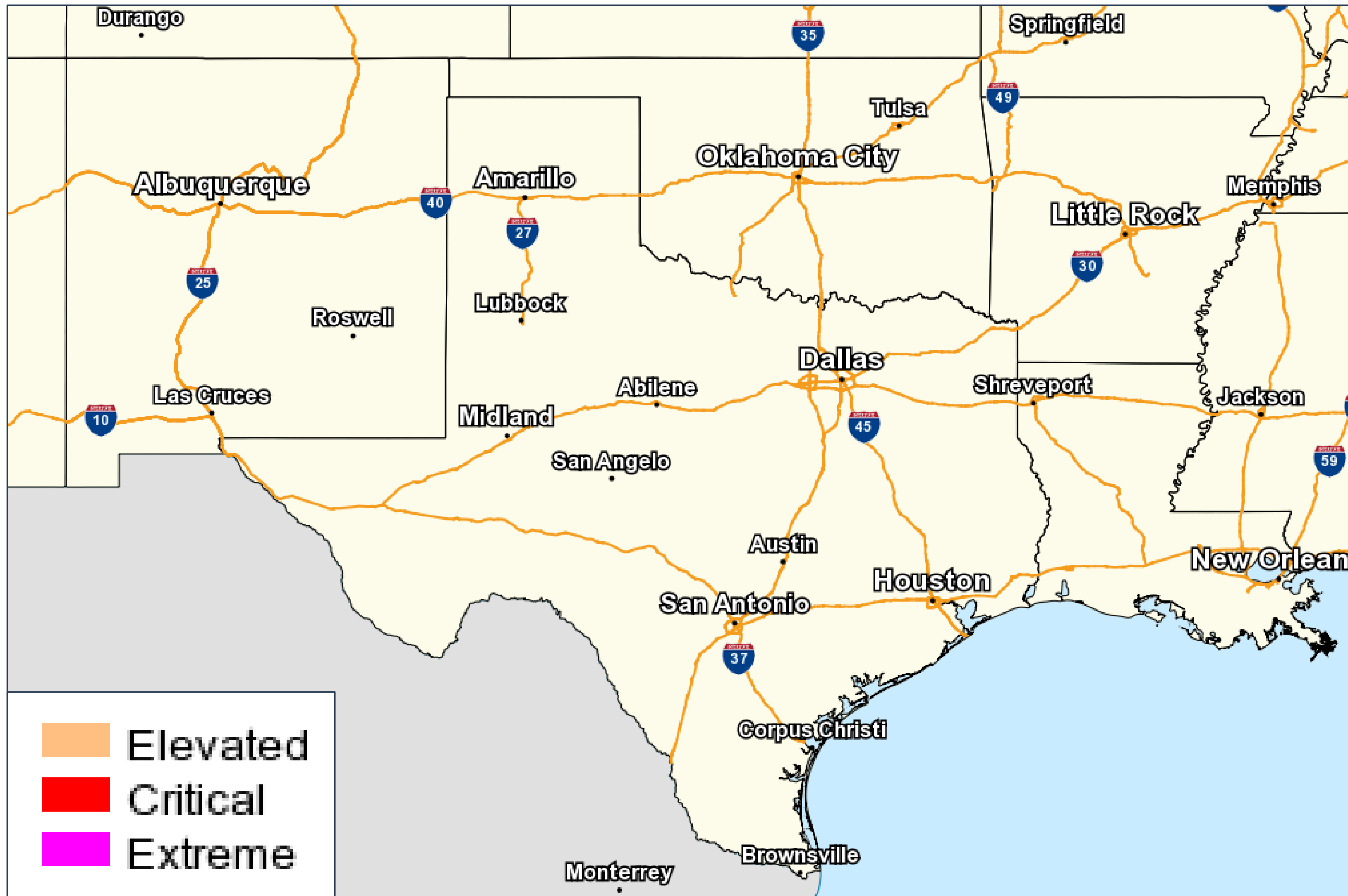
Excessive Rainfall Outlook



Today's Fire Weather Outlook



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No Fire Weather Concerns.

Tomorrow's Weather

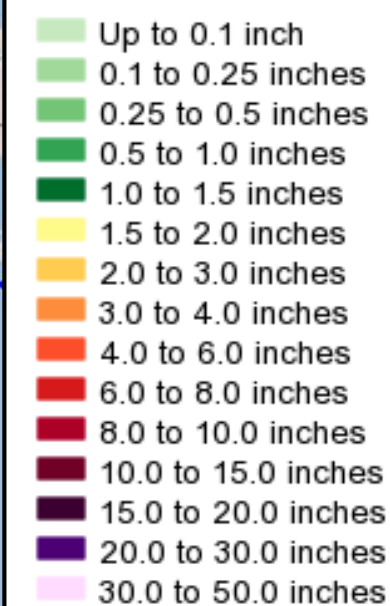
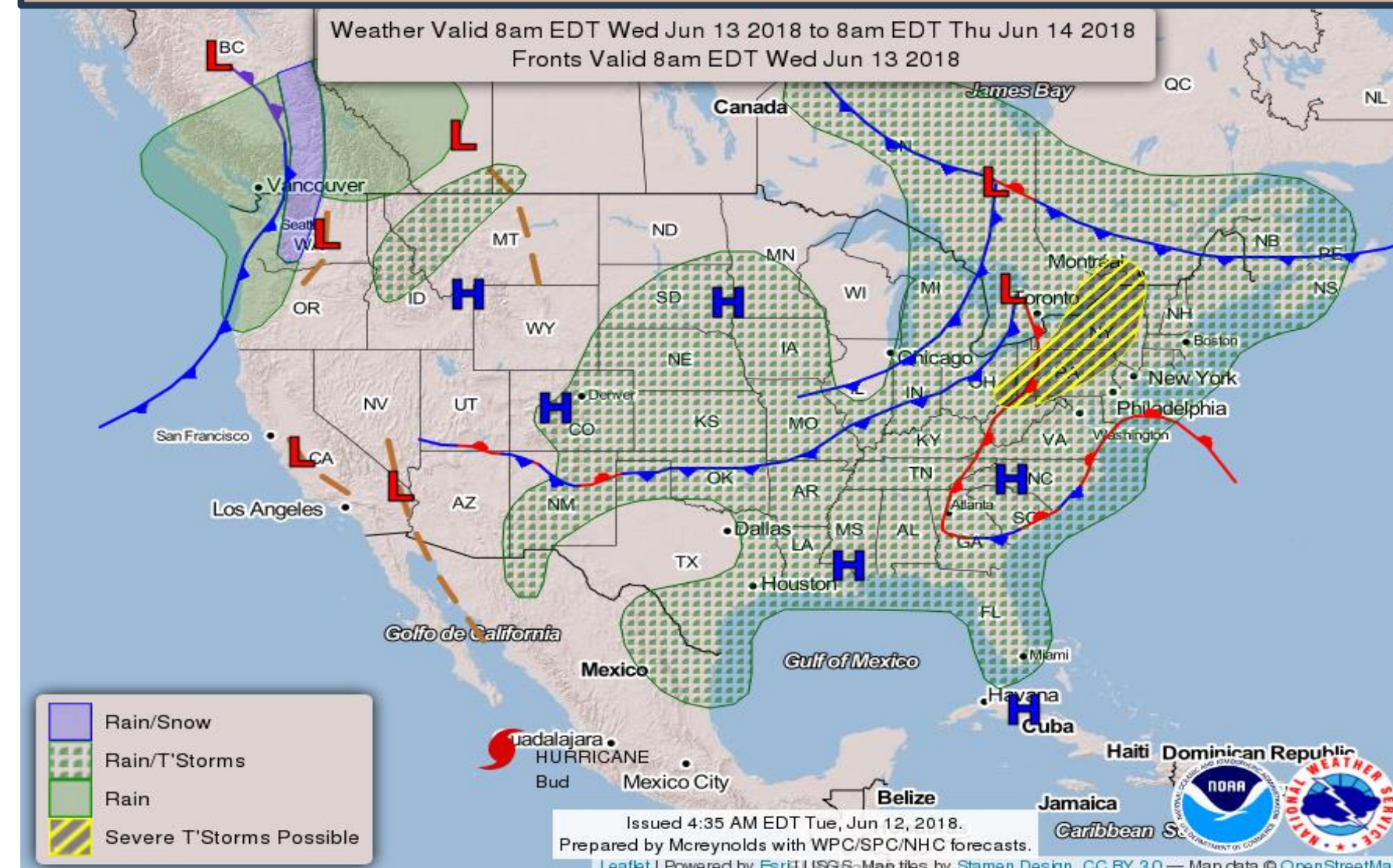


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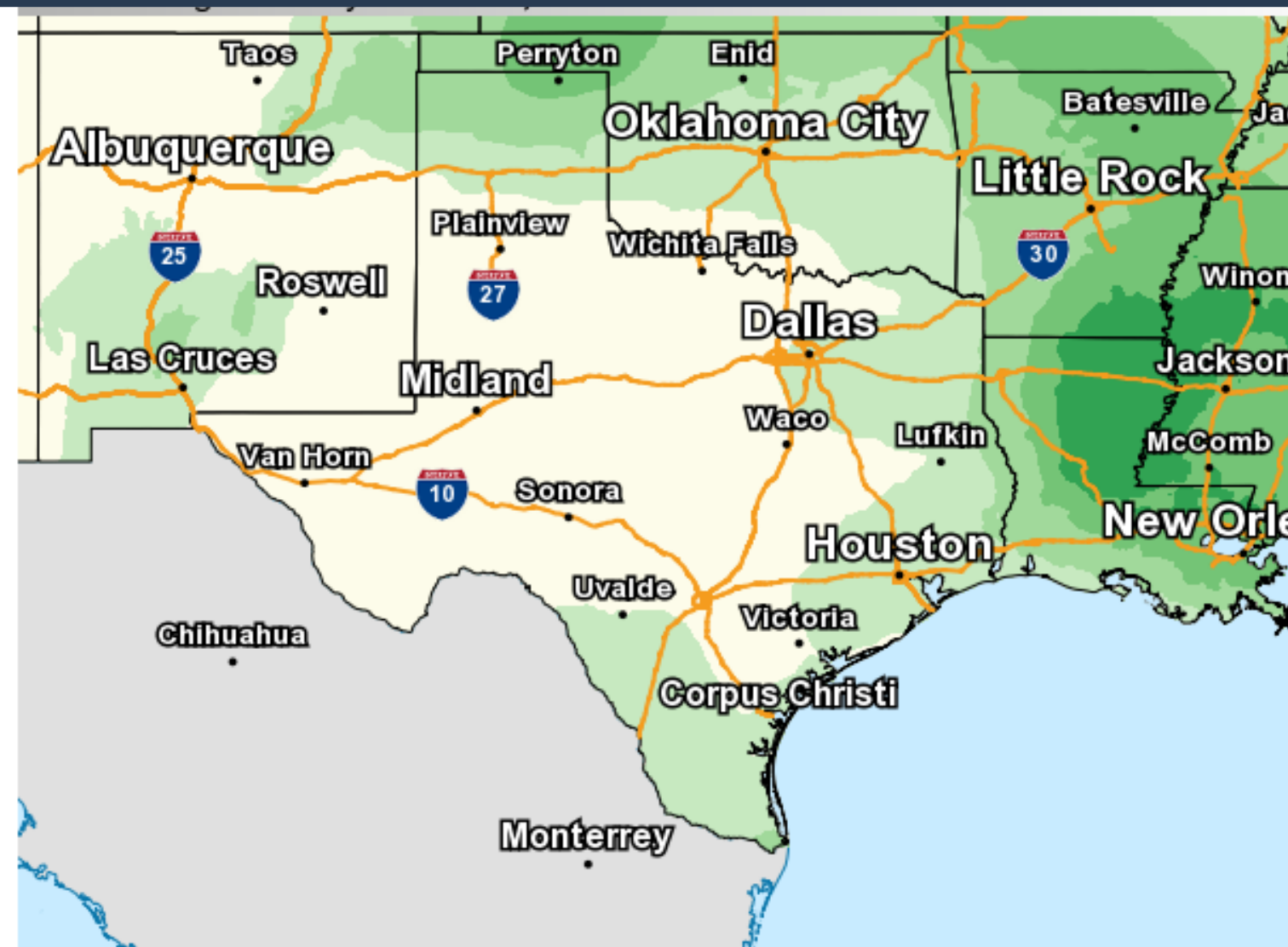
Forecast Chart

Forecast Rainfall

No significant weather
expected.

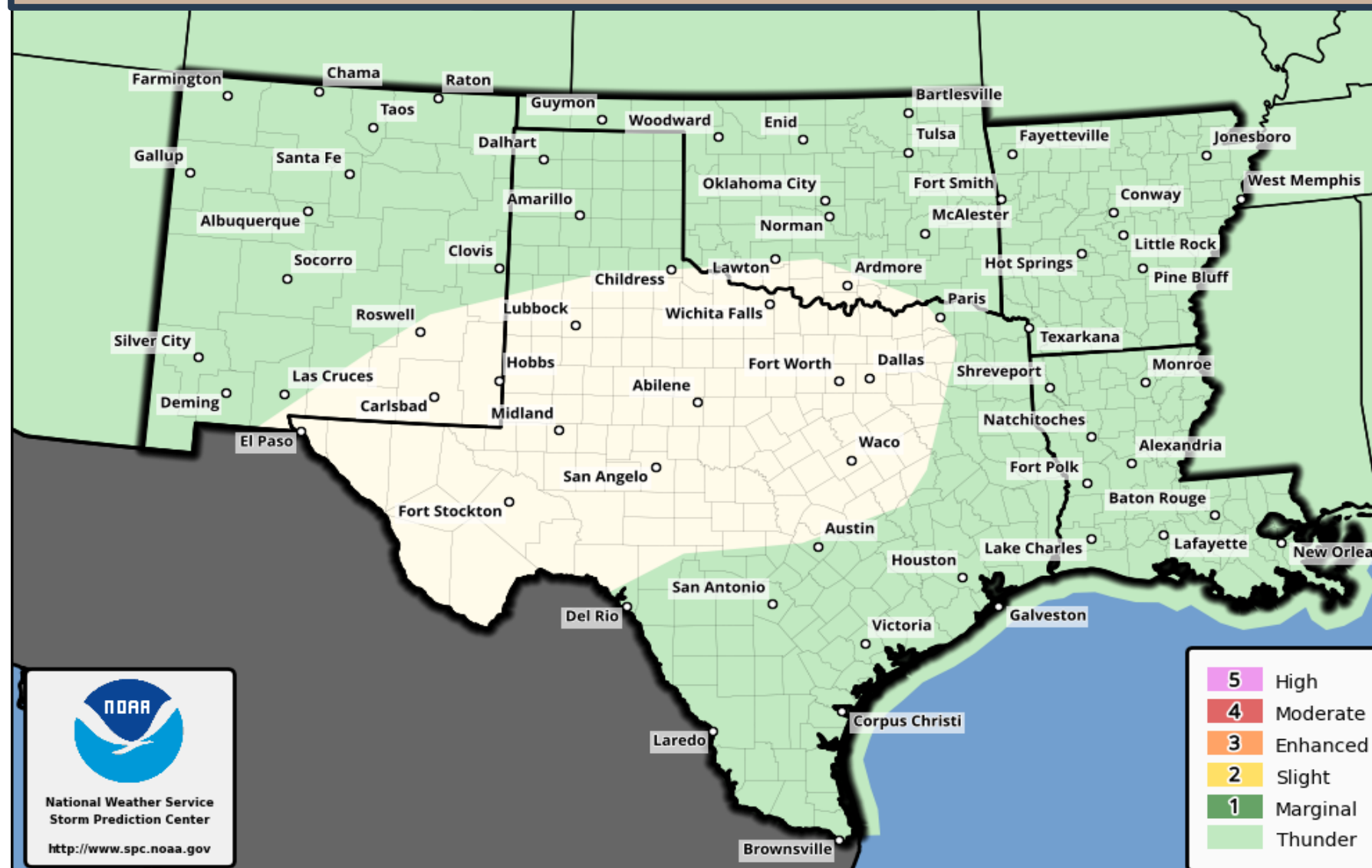


Graphic Created
June 12th, 2018
5:49 AM CDT



Severe Weather Outlook

Excessive Rainfall Outlook



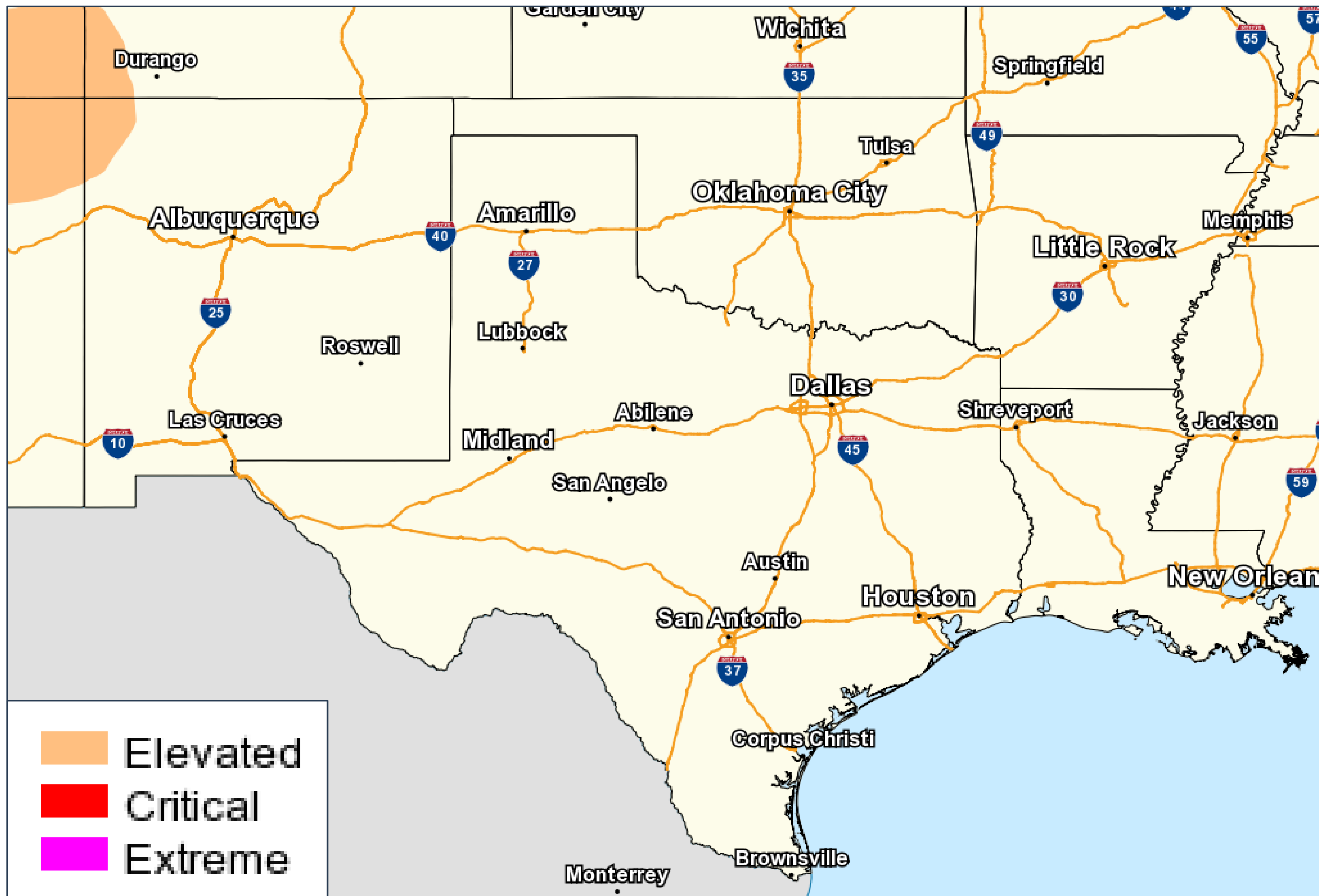
Graphic Created
June 12th, 2018
5:49 AM CDT



Tomorrow's Fire Weather Outlook



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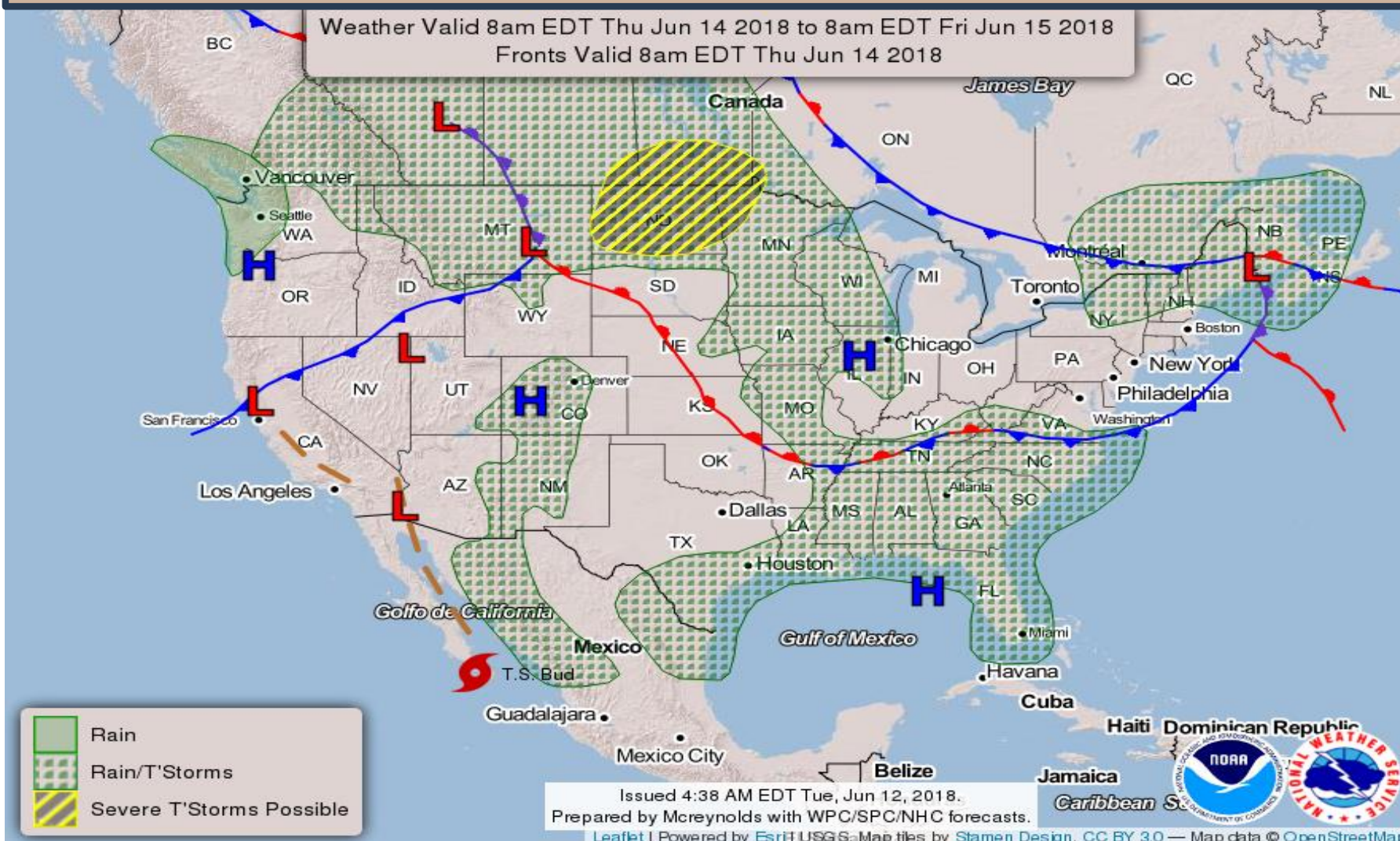
Minimal Fire Weather Concerns.

Thursday's Weather

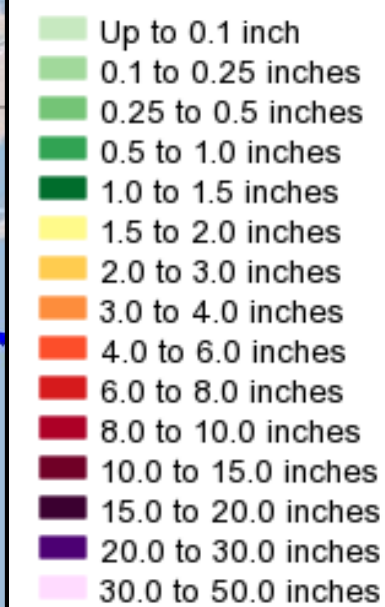


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Forecast Chart



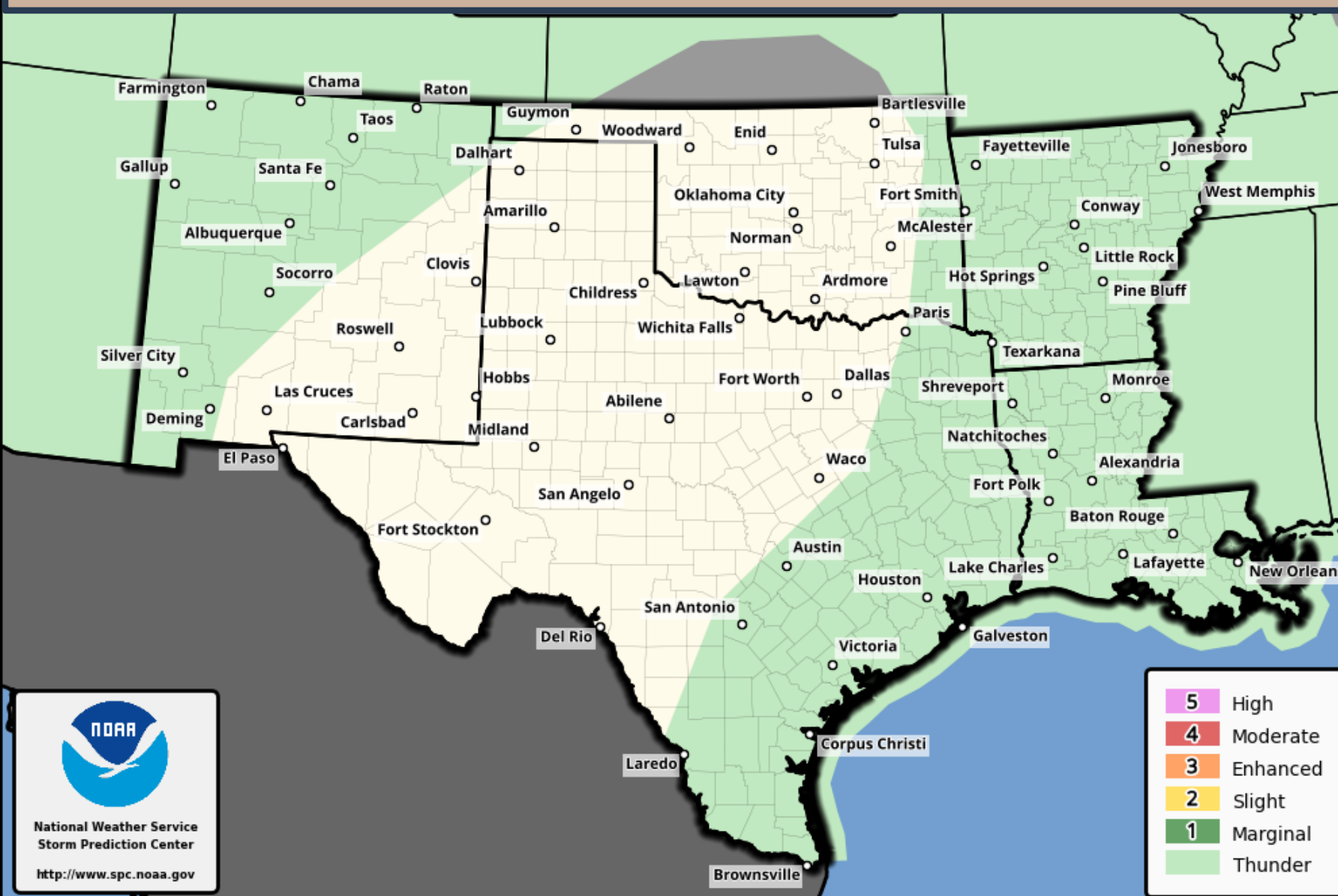
Forecast Rainfall



Graphic Created
June 12th, 2018

No significant weather
expected.

Severe Weather Outlook



Excessive Rainfall Outlook



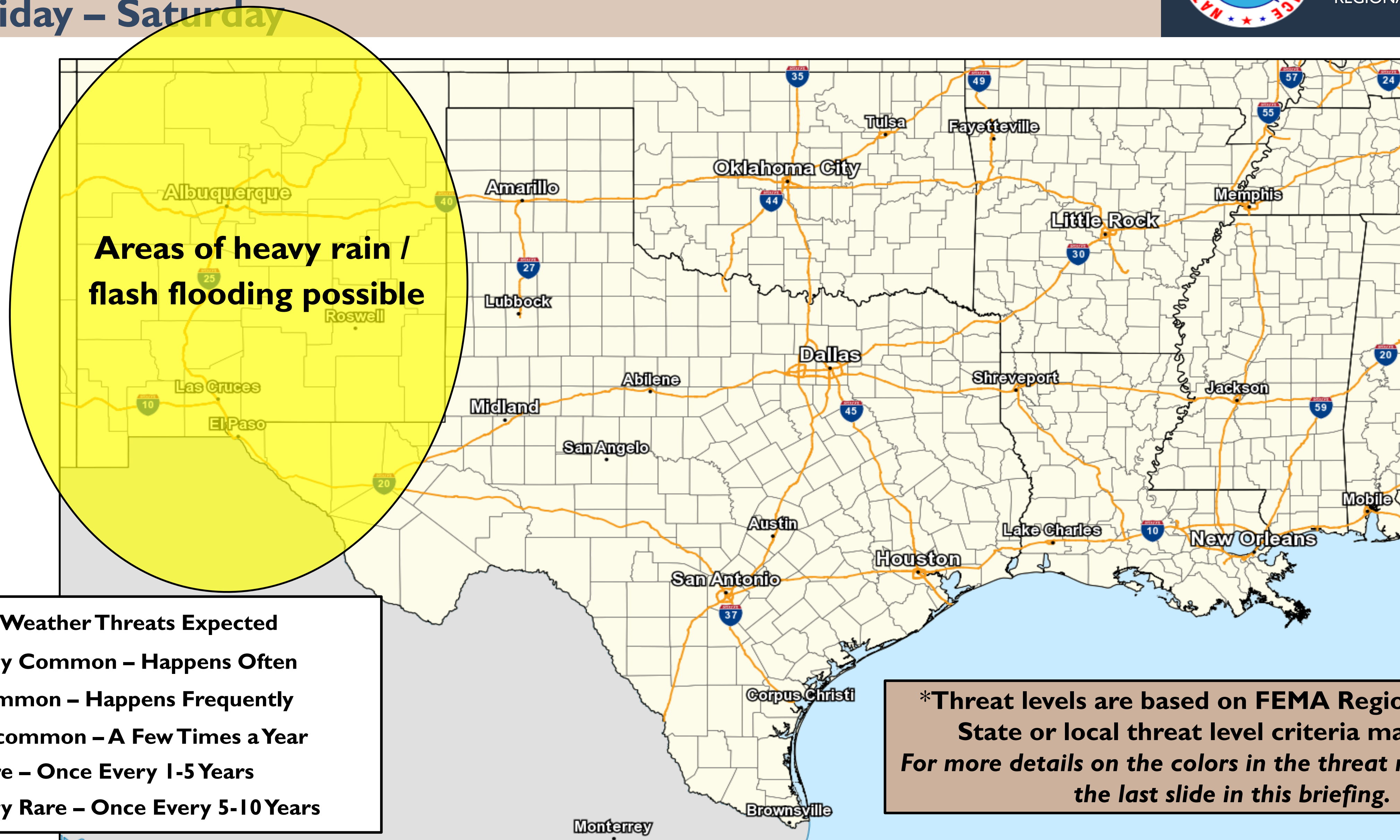
Graphic Created
June 12th, 2018
AM CDT

Days 4-5 Weather Hazards

Friday – Saturday



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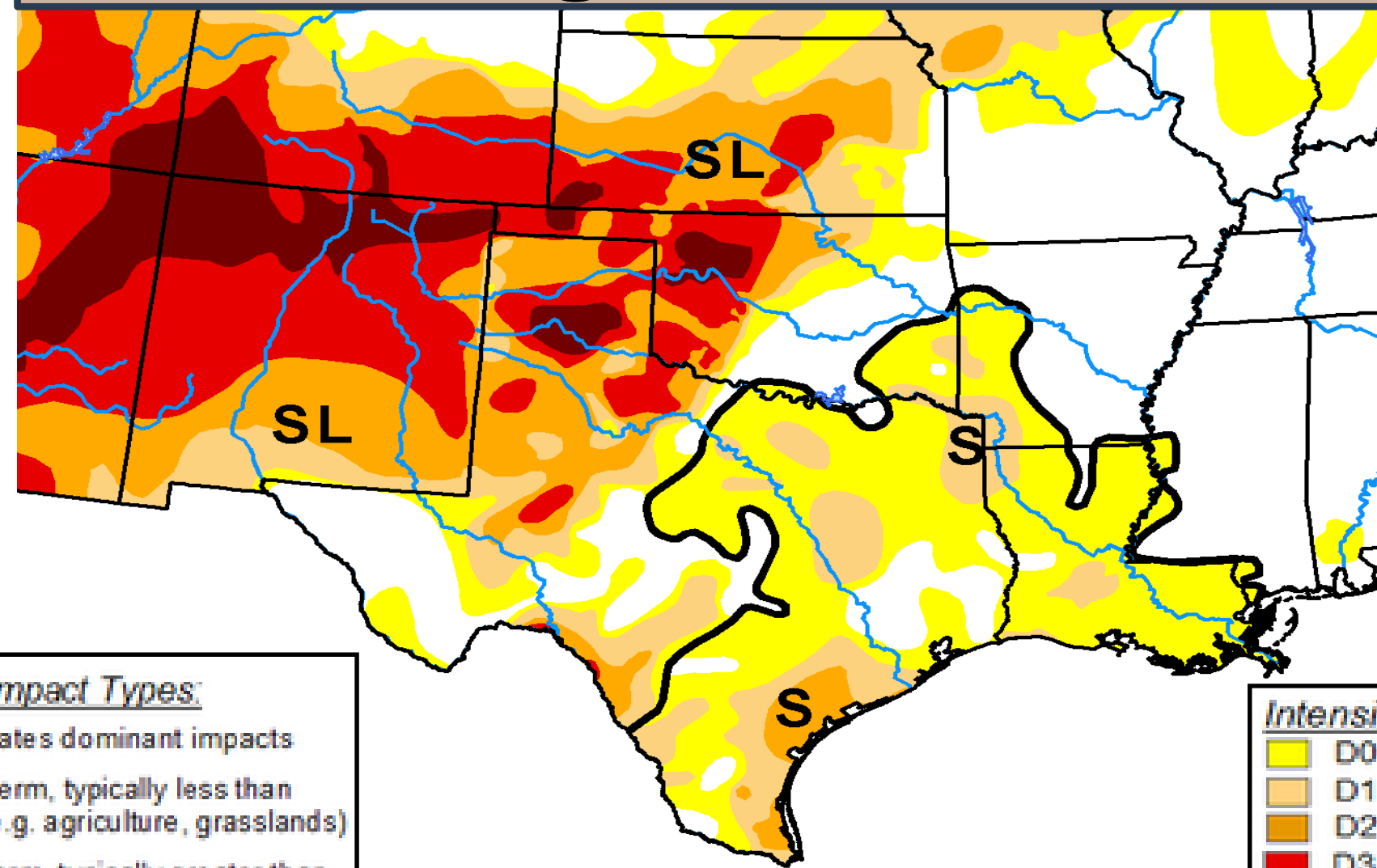
Drought Monitor (Released June 7th, 2018)



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Data valid as of 7am CDT, Tuesday, June 5th, 2018

Drought Monitor



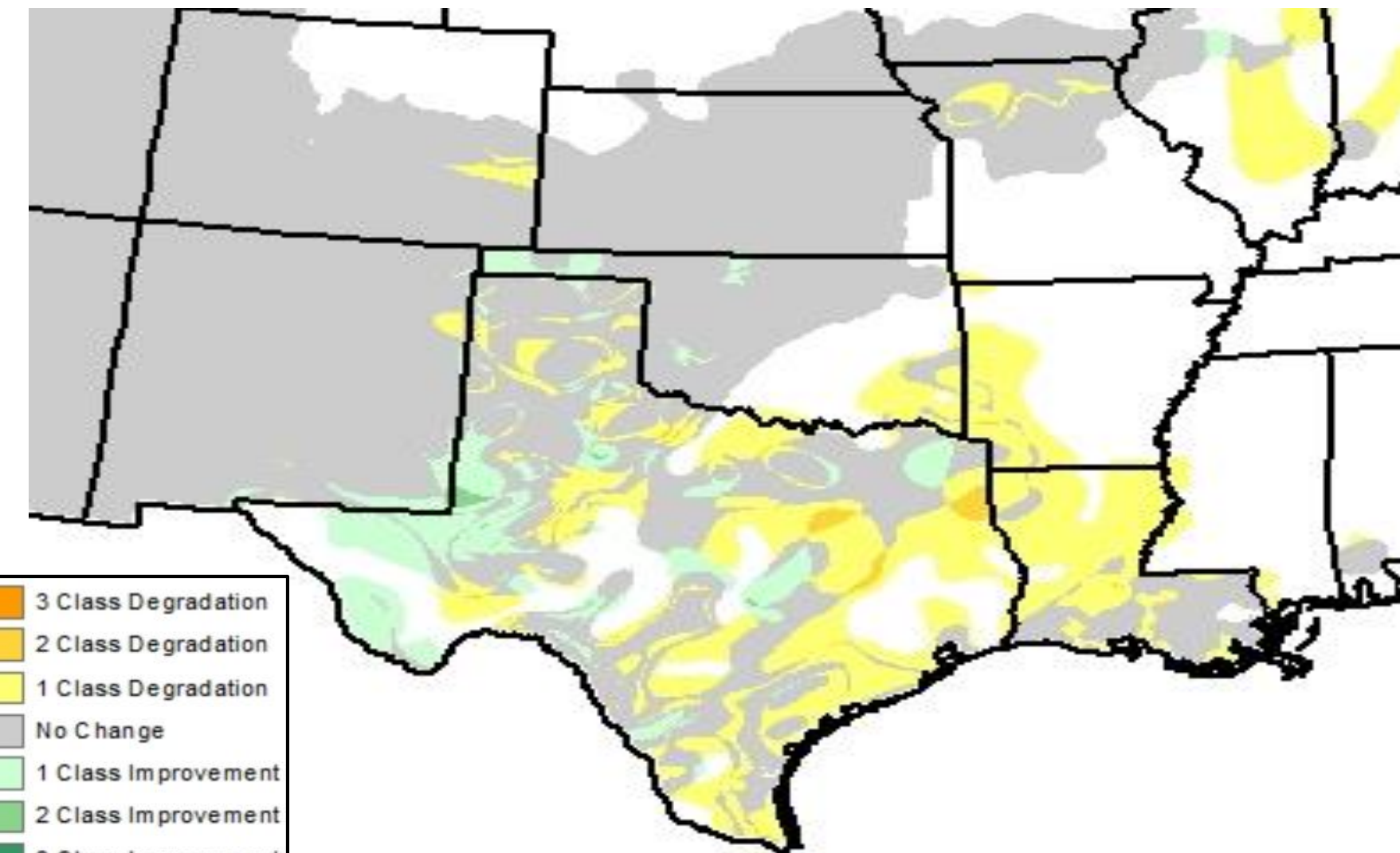
Drought Impact Types:

~ Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

One Week Change in Drought



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

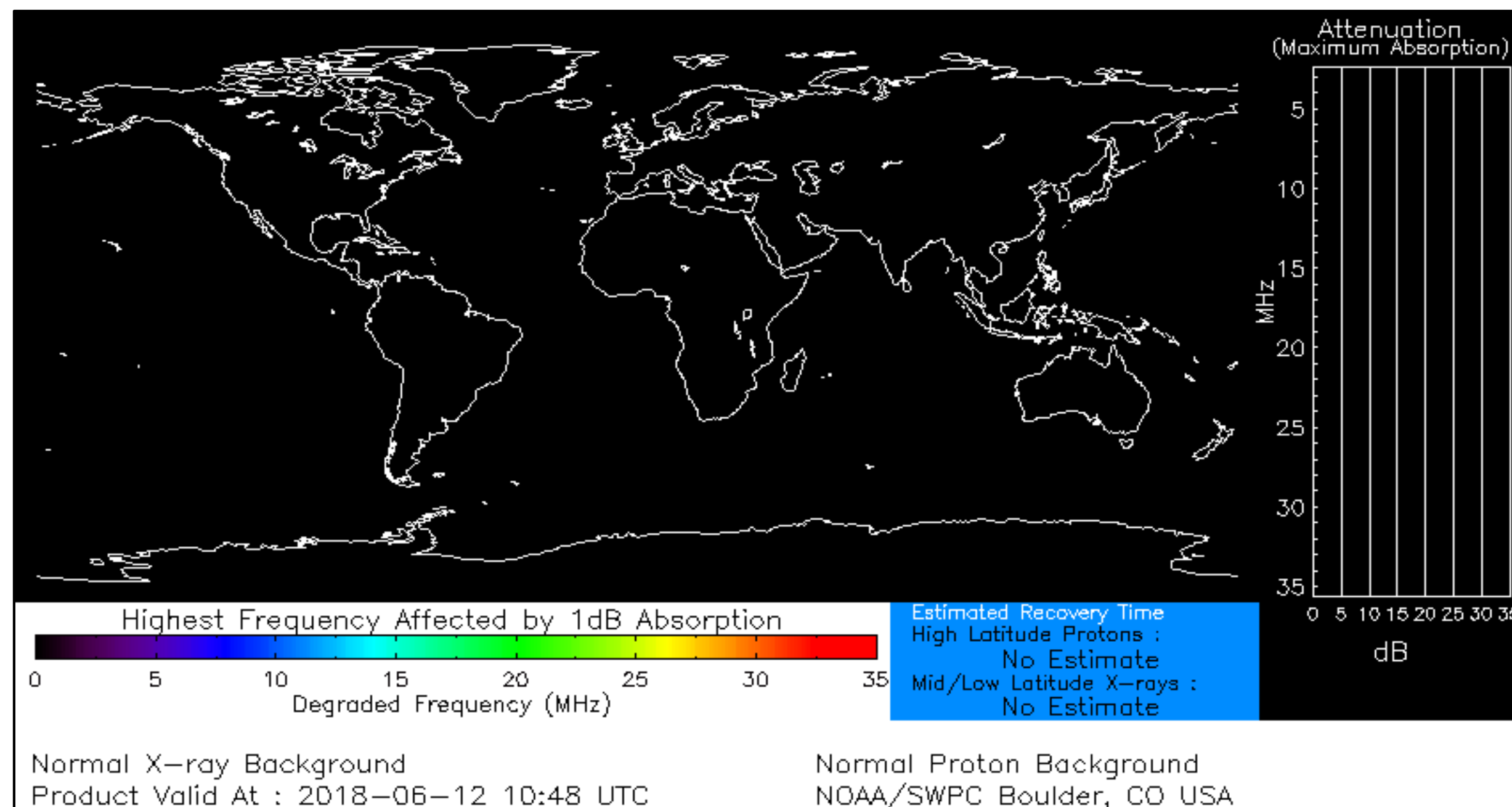
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	27.84%	29.71%	34.45%	0.00%
Texas	7.29%	7.82%	14.16%	0.00%
New Mexico	61.99%	62.86%	17.08%	0.00%

Space Weather 3-Day Forecast



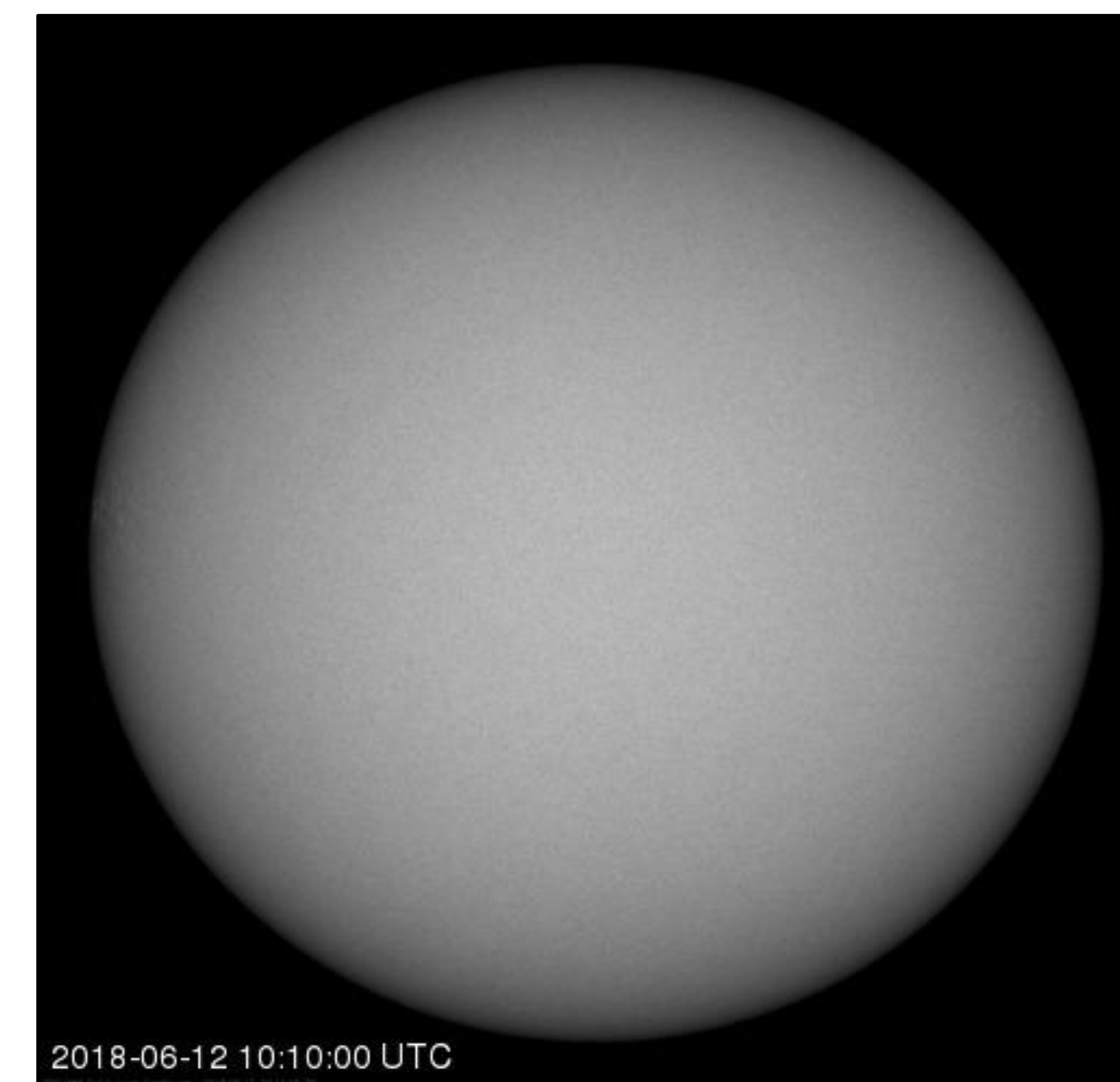
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	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2018-06-12 10:10:00 UTC



For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov